Mountain Weather Forecast

Lake District National Park

Forecast valid from 00:00 on Friday 17 Feb 2023 until 23:59 on Saturday 18 Feb 2023

Forecast Issued on Thursday 16 Feb 2023 at 13:22

Confidence: Medium for the pattern, low for the detail of cloud.

Headline for Friday 17 Feb 2023: Mainly dry and occasionally bright. Gale to severe gale summit winds easing out into afternoon.

Mountain weather hazards on Friday 17 Feb 2023

Blizzards
No Likelihood

Gales
Medium Likelihood

Thunderstorms
No Likelihood

Heavy persistent snow
No Likelihood

Severe chill effect
Low Likelihood

Heavy persistent rain
No Likelihood

Storm force winds
No Likelihood

Poor visibility
Low Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Light rain	Heavy Rain	Heavy Rain	Cloudy	Cloudy	Cloudy	Cloudy	Sleet
Precipitation probability							
90%	90%	80%	10%	<05%	<05%	10%	80%

Forecast for Friday 17 Feb 2023

Weather: Overcast for much of the night with occasional rain or drizzle, most persistent across western areas of the Park. This clears south before dawn to leave a largely dry day with occasional bright and sunny spells developing. Cloud building from the west during the evening with light to moderate rain and summit snow extending to all before midnight.

Chance of cloud-free hill tops above 800m: 90% by day.

Low cloud and visibility: Good or very good becoming moderate or poor in rain and drizzle, very poor within cloud with bases extensive for much of the night down to 500m, infrequently so through the day.

Check our weather forecast every day to get the most accurate and up to date information
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Forecast for Friday 17 Feb 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	41/51 SW	47/60 SW	51/66 SW	43/57 W	36/50 W	32/44 W	20/26 W	13/17 S	21/28 S
600	30/41 SW	36/49 SW	40/55 SW	36/51 W	31/45 W	28/40 W	15/23 W	9/13 SW	15/23 S
300	11/34 SW	13/38 SW	16/45 SW	16/41 W	16/39 W	14/34 W	5/18 W	2/11 S	4/17 S
Valley	11/30 SW	13/35 SW	18/42 SW	16/36 W	16/34 W	14/29 W	5/16 W	3/9 SW	4/11 SE

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	6/-1	5/-2	6/-2	3/-5	1/-7	1/-7	1/-6	1/-4	2/-4
600	7/2	7/1	7/1	5/-2	4/-3	4/-3	3/-2	3/-1	3/-2
300	8/5	8/5	8/5	7/3	7/2	6/2	5/3	5/4	5/3
Valley	9/7	9/7	10/6	9/6	9/5	8/5	8/6	7/6	7/5
Freezing Level*	2300m	2500m	1900m	1200m	1000m	900m	900m	1300m	1700m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View
Severe wind chill at height.

Forecast for Saturday 18 Feb 2023
Weather: Mainly cloudy with occasional rain, occasionally turning to snow across highest summits, particularly during the evening. Best chance of drier and brighter fare expected during the morning.

Maximum wind: West mean 30-35 mph at first, with gusts reaching 50 mph across most exposed ridges and summits, gradually easing through the day.

Chance of cloud-free hill tops above 800m: 20-30% during morning 10% or less from mid-day.

Low cloud and visibility: Good becoming moderate or poor in rain, very poor within cloud with bases quite extensive down to 500m, particularly from mid-day.

Temperature: **Valleys:** Plus 2 Celsius lifting 9 Celsius during the afternoon
At 800m: Plus 3 Celsius
Freezing level: Above summits

Sunday	Rather cloudy with occasional rain, turning to snow at times across highest summits. However much of this will be patchy, with some limited brighter spells also developing. West to southwest breezes strengthening late in day. Freezing level above summits.
Monday	Rather cloudy with some patchy light rain or drizzle. Fresh to strong west to southwest winds. Freezing level above summits.
Tuesday	Cloudy with rain or showers, turning to snow across highest peaks later. West to southwest summit breezes.

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Thursday 16 February 2023. Location: Helvellyn summit at 14:30 Full report: The calm before the storm! Gusty winds on Friday are forecast to reach 80mph on Lake District mountains. This is enough to violently blow fully grown adults off their feet with a high risk of injury. Please make good decisions and be adventuresmart if you are out and about in the fells. The fells are now generally clear of snow with the few remaining patches to be found above 900m on steep N through E aspects. Due to their location walkers are unlikely to come across them. The only area of concern is at the top of Swirral Edge which is guarded by bank of firm and icy snow. However this can easily be bypassed on steep grass to climbers right. Despite the lack of winter, summit temperatures were only just above freezing and this combined with poor visibility, wind and rain can give very challenging conditions. Walkers should be well prepared with plenty of warm and waterproof layers, hats & gloves, a headtorch and a reliable and appropriate method of navigation eg a GPS or phone app backed up by a map & compass. Temperature: plus 3.3 C, Maximum wind speed 23.8 mph, Wind chill: minus 3.3 C, Average wind speed: 19.9 mph

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